

Title (en)

OPTICAL DATA CARRIER CONTAINING A CYCLIZABLE COMPOUND IN THE INFORMATION LAYER

Title (de)

OPTISCHER DATENTRÄGER ENTHALTEND IN DER INFORMATIONSSCHICHT EINE CYCLISIERBARE VERBINDUNG

Title (fr)

SUPPORT DE DONNEES OPTIQUE CONTENANT UN COMPOSE CYCLISABLE DANS LA COUCHE D'INFORMATION

Publication

**EP 1377970 A1 20040107 (DE)**

Application

**EP 02706771 A 20020320**

Priority

- DE 10115227 A 20010328
- DE 10117464 A 20010406
- DE 10200484 A 20020109
- EP 0203070 W 20020320

Abstract (en)

[origin: WO02080163A1] The invention relates to an optical data carrier containing a preferably transparent substrate that is optionally already coated with a protective layer already. An information layer that can be written using light, an optional protective layer, an optional adhesive layer and, finally, a covering layer are applied to the surface of the substrate. The optical data carrier can be written and read using blue light, preferably laser light, whereby the information layer contains a light-absorbing compound. The data carrier is characterized in that at least one colorant, which is thermally cyclized, is used as the light-absorbing compound.

IPC 1-7

**G11B 7/24**; **C09B 57/02**; **C07D 217/14**; **C07D 217/26**

IPC 8 full level

**B41M 5/26** (2006.01); **C07D 217/14** (2006.01); **C07D 217/16** (2006.01); **C07D 221/04** (2006.01); **C07D 311/12** (2006.01); **C07D 311/80** (2006.01); **C07D 405/04** (2006.01); **C07D 455/04** (2006.01); **C07D 471/04** (2006.01); **C07D 491/04** (2006.01); **C07D 491/052** (2006.01); **C07F 15/06** (2006.01); **C09B 23/00** (2006.01); **C09B 23/01** (2006.01); **C09B 23/04** (2006.01); **C09B 23/10** (2006.01); **C09B 29/00** (2006.01); **C09B 29/036** (2006.01); **C09B 29/36** (2006.01); **C09B 44/10** (2006.01); **C09B 47/04** (2006.01); **C09B 47/08** (2006.01); **C09B 47/26** (2006.01); **C09B 57/02** (2006.01); **C09K 9/02** (2006.01); **G11B 7/0045** (2006.01); **G11B 7/24** (2013.01); **G11B 7/244** (2006.01); **G11B 7/247** (2013.01); **G11B 7/248** (2006.01); **G11B 7/249** (2013.01); **G11B 7/254** (2013.01); **G11B 7/26** (2006.01); **G11B 7/007** (2006.01)

CPC (source: EP US)

**C07D 217/14** (2013.01 - EP US); **C07D 221/04** (2013.01 - EP US); **C07D 311/12** (2013.01 - EP US); **C07D 311/80** (2013.01 - EP US); **C07D 405/04** (2013.01 - EP US); **C07D 455/04** (2013.01 - EP US); **C07D 491/04** (2013.01 - EP US); **C07F 15/065** (2013.01 - EP US); **C09B 23/0091** (2013.01 - EP US); **C09B 23/04** (2013.01 - EP US); **C09B 23/105** (2013.01 - EP US); **C09B 29/0029** (2013.01 - EP US); **C09B 29/0074** (2013.01 - EP US); **C09B 29/36** (2013.01 - EP US); **C09B 44/10** (2013.01 - EP US); **C09B 47/045** (2013.01 - EP US); **C09B 47/085** (2013.01 - EP US); **C09B 47/26** (2013.01 - EP US); **C09K 9/02** (2013.01 - EP US); **G11B 7/00455** (2013.01 - EP US); **G11B 7/24** (2013.01 - EP US); **G11B 7/244** (2013.01 - EP US); **G11B 7/247** (2013.01 - EP US); **G11B 7/248** (2013.01 - EP US); **G11B 7/249** (2013.01 - EP US); **G11B 7/254** (2013.01 - EP US); **G11B 7/26** (2013.01 - EP US); **G11B 7/007** (2013.01 - EP US)

Citation (search report)

See references of WO 02080163A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02080163 A1 20021010**; CN 1513173 A 20040714; EP 1377970 A1 20040107; JP 2004525801 A 20040826; TW I246686 B 20060101; US 2002197561 A1 20021226

DOCDB simple family (application)

**EP 0203070 W 20020320**; CN 02810889 A 20020320; EP 02706771 A 20020320; JP 2002578496 A 20020320; TW 91105374 A 20020320; US 10258202 A 20020320